

CRCT GPS Practice Chapter 9

LESSON 9-1

Choose the more precise measurement in each pair.

1. 2 ft, 23 in.

2. 8.1 m, 811 cm

3. $6\frac{5}{16}$ m, $6\frac{3}{8}$ m

Calculate. Use the correct number of significant digits in each answer.

4. $7.02 + 6.9$

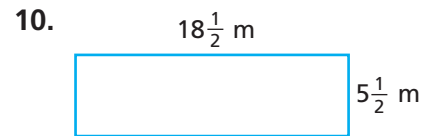
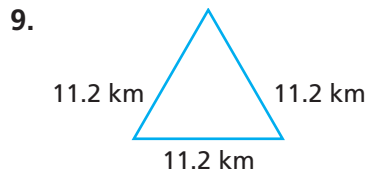
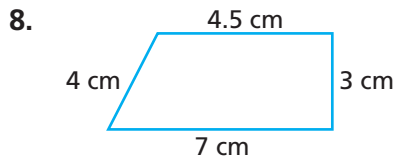
5. $12 - 5.88$

6. $9.20 \div 3.5$

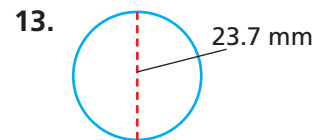
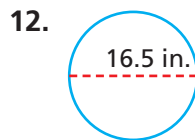
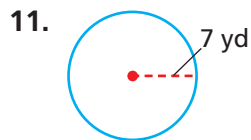
7. $3.6 \cdot 1.8$

LESSON 9-2

Find each perimeter.

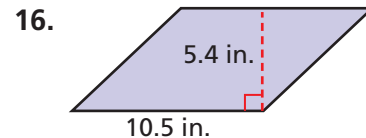
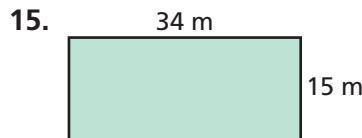
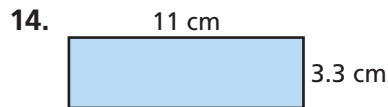


Find the circumference of each circle to the nearest tenth. Use 3.14 or $\frac{22}{7}$ for π .



LESSON 9-3

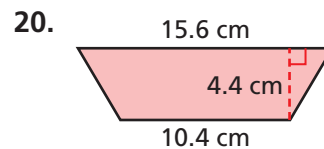
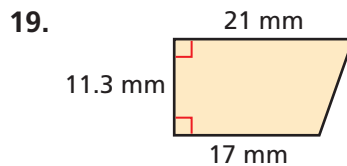
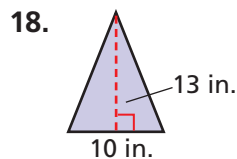
Find the area of each rectangle or parallelogram.



17. Harry is using 16 Japanese tatami mats to cover a floor. Each mat measures 3 feet by 2 feet. What is the total area that will be covered by the mats?

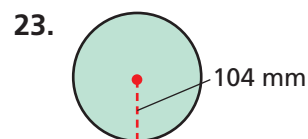
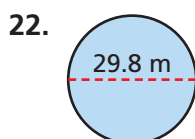
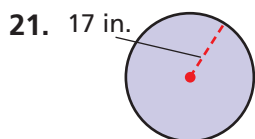
LESSON 9-4

Find the area of each triangle or trapezoid.



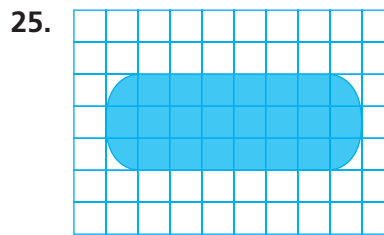
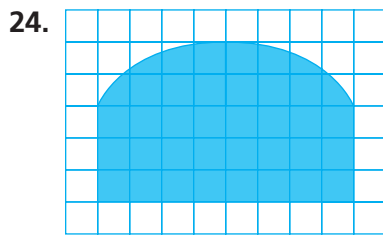
LESSON 9-5

Find the area of each circle to the nearest tenth. Use 3.14 for π .

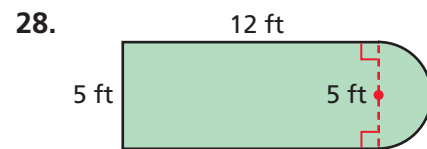
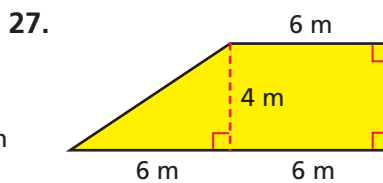
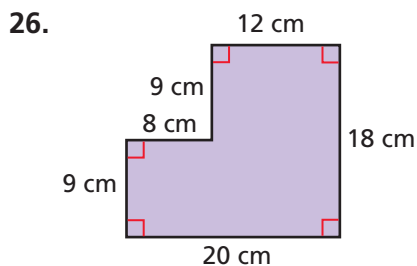


LESSON 9-6

Estimate the area of each figure. Each square represents 1 ft².



Find the area of each figure. Use 3.14 for π .



LESSON 9-7

Find each square or square root.

29. 13^2

30. $\sqrt{196}$

31. $\sqrt{625}$

32. 60^2

Estimate each square root to the nearest whole number. Use a calculator to check your answer.

33. $\sqrt{10}$

34. $\sqrt{18}$

35. $\sqrt{53}$

36. $\sqrt{95}$

37. $\sqrt{152}$

38. $\sqrt{221}$

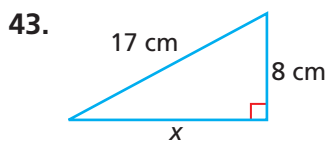
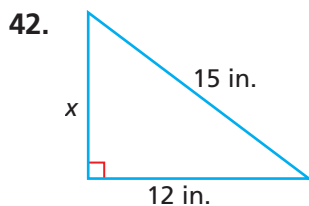
39. $\sqrt{109}$

40. $\sqrt{175}$

41. A square painting has an area of 2,728 square centimeters. About how long is each side of the painting? Round your answer to the nearest centimeter.

LESSON 9-8

Use the Pythagorean Theorem to find each missing measure.



45. Ricky rides his bike 25 miles south and then turns east and rides another 25 miles before he stops to rest. How far is Ricky from his starting point? Round your answer to the nearest tenth.